

SIO Shipyard Representative Bi-Weekly Progress Report		
Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
Prepared by: Paul D. Bueren Scripps Institution of Oceanography (SIO) 297 Rosecrans St. San Diego, CA 98106	Date: 30 January, 2016	Program Officer: Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
Distribution Statement A: Approved for public release; distribution unlimited.		Report No. A002.093

Q11. Meetings:

- Attended weekly conference call

2. The following Shipyard Question Submittals reviewed and commented on:

No questions this reporting period

3. Logistics:

- Continuing to work on initial outfitting lists for Sally Ride.
- Linens, Blankets, SCBA Storage & PPE's ordered.
- Galley Order in progress

4. Operator Concerns:

- **Starboard Drive Failure** – A short circuit occurred during the DC Link test, damaging the Starboard Drive AIM, ALM and DC Link Breaker. One of four positive and one of four negative leads were swapped when the initial hook-up to the starboard DCI link bus was made. The AIM & ALM are at the Siemens repair facility in Georgia. The AIM is repaired, but still no word if the repairs to the ALM are on schedule to be back on site by 3 February. DCI has cleaned and repaired the contacts for the DC Breaker and new replacement breaker is on order.
- **Crew Fam** – The Crew Fam schedule is being reworked as a direct result of the Drive Failure. Late word Friday afternoon is that Siemens has been able to make most of the changes requested so that the proposed two-week start delay will not be necessary. Still waiting for confirmation.
- **Ballast Tank Coatings** – Monitoring GDR's for coating issues on Armstrong. WTA for pre delivery ballast tank inspection on Ride is in the works.
- **Anchor Windlass** – Port and Starboard Anchor Windlasses were tested during sea trials. For both the port & starboard, the "freefall is not totally clean, but it is always in control. It demonstrates that the brake controls well at all times". The walk-outs were skip free for the first two shots on each windlass, with some skipping while walking out the third shots on both windlasses. The operators understand the issues and can work with the known deficiencies until changes are made to improve the system.
- **Steering Hydraulics** – Reports from Armstrong indicate that the system hydraulics over heat during DP operations. There are also reports that while in tropical conditions and while in autopilot, the hydraulic oil temps are warmer than expected. The OEM recommends a normal maximum operating temperature of 125-degrees F. A cooler may be necessary to correct this issue.
- **Uncontaminated Sea Chest** – The sea chest relocated on Armstrong. SIO will be relocating the sea chest on Ride during the Phase III docking; pending a satisfactory performance on Armstrong.
- **Test & Trials** –
 - DCI Test & Trials – 136 total procedures with 119 @ 100%.

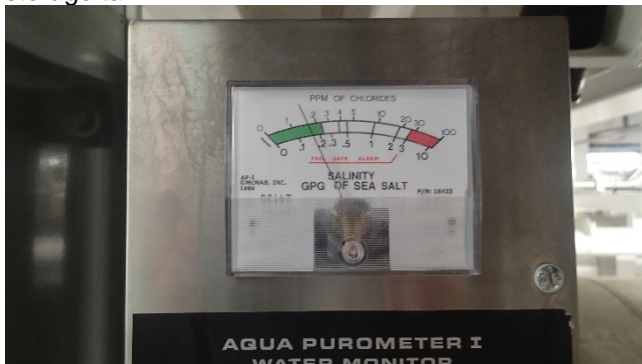
- Dock Trials completed
- Vendor Trials completed.
- Mock INSURV delayed due to Starboard Drive failure. Presently scheduled to begin 8 February.
- **Acoustic Tiles & MLV** – No additional information on what materials are to be used for the Traction Winch Room or MMR bilge tops, if any. Waiting for NCE's post sea trial noise report.
- **Sanitary Construction Cert** – DCI was not able to obtain the FDA Certificate of Sanitation for Armstrong because the sewage discharge is ahead of the water maker suction.
- **Ride Anti-Fouling Paint** – The anti-fouling paint has failed due to an application error. The yard will correct this issue during a planned docking prior to Builder's Trials. With the dry-docking cancelled, the paint repairs will most likely be during Phase III if it occurs at DCI.
- **Conning Station Display** – DCI has corrected the issue. Both the Bow and Tunnel Thrusters have working display icons on the Conning Station Display.

5. Sally Ride Progress:

- Dock Trials and Vendor Sea Trials Completed



- Builders Trials (Mock INSURV) – Rescheduled for 8 Feb through 12 Feb, pending satisfactory repair of AIM & ALM.
- DPS Trials – Rescheduled for 13 Feb through 17 Feb
- Sonar Self Noise – March?
- Science Evaporator – The evaporator installation is complete, with the addition of a small collection tank and a pump that is capable of pumping good quality distilled water to the Main Lab storage tank.



- Lab Spaces – Carpenters and electrician finishing the Main & Computer Labs.



- Galley Hood – Waiting for sprayer nozzles to complete installation and testing.

6. Call Outs:

- Potable Water Pump Heat Runs
- Signage/Labeling Verification